

## **REMARKS**

Claims 1, 3-5 and 11 are currently pending. The applicants respectfully request reconsideration and allowance of this application in view of the above amendments and the following remarks.

Claims 1 and 3-5 were rejected under 35 U.S.C. 101 as being directed to non-statutory subject matter. The applicants have amended claims 1 and 3-5 to recite “non-transitory recording medium”. Accordingly, the rejection of claims 1 and 3-5 under 35 U.S.C. 101 should be withdrawn.

Claim 11 was rejected under 35 U.S.C. 101 as not falling within one of the four statutory categories of invention. The applicant has amended claim 11 to recite “generating application data *using an authoring device*” as discussed on pg. 89, lines 7-8. Accordingly, because claim 11, as amended, is tied to an apparatus, the rejection of claim 11 under 35 U.S.C. 101 should be withdrawn.

Claims 1 and 11 were rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,907,658 to Murase *et al.* (hereafter: “Murase”). For the reasons discussed below, these claims, as amended, are now in condition for allowance.

Claims 1 and 11 have been amended to recite *inter alia* features associated with the novel embodiment described, for example, on pgs. 20, lines 5-27 and pg. 32, lines 5-19 in which the interactive control information includes menu information and time information showing a time period during which the menu is to be presented; the menu information includes button information and effect information; and the effect information defines the effect for introducing or removing the menu and includes a plurality of pieces of composition information defining a

sequence of display compositions of graphics constituting the effect. Each piece of composition information shows (i) a bounding area on a graphics plane within which a respective display composition is rendered and (ii) a duration after which the display composition is replaced by a subsequent display composition to be rendered within the same bounding area.

With the composition information, the time interval between successive display compositions (i.e., the duration for each display composition) may be set longer when the bounding area is large in size, and be shorter when the bounding area is small in size. Accordingly, excellent presentation of the effects, which are each constituted by the sequence of display compositions of graphics, can be ensured.

Murase describes a computer medium storing a plurality of Video Objects (VOBs). Each of the VOBs includes a plurality of Video Object Units (VOBU), which each includes multiplexed management information, video, audio and sub-picture packs. The management information pack includes a Data Search Information (DSI) packet and a Presentation Control Information (PCI) packet.

The examiner has pointed to the sub-picture packs as disclosing the recited “graphics stream...used for overlaying a menu on the moving picture...” At the same time, the examiner has pointed to the management information pack as disclosing the interactive control information. However, claims 1 and 11 recite that the graphics stream *includes* interactive control information. In comparison, in Murase, the management information pack is separate from the sub-picture packs. That is, Murase fails to disclose that the sub-picture pack includes interactive control information. Accordingly, Murase fails to disclose that a graphics stream including interactive control information as called for in amended claims 1 and 11.

In the example shown in Fig. 36, a stream for a quiz video is described in which VOBUs 7-12, 25-30, etc. show a question for predetermined time periods. The examiner has pointed to the VOBUs generally as disclosing the plurality of pieces of composition information. However, amended claims 1 and 11 clarify that the interactive control information includes a plurality of pieces of composition information defining a sequence of display compositions of graphics constituting the effect before or after the menu, rather than defining the time period for presenting the menu itself. In Murase, the management information does not include a plurality of pieces of composition information defining a sequence of display compositions of graphics constituting the effect.

Therefore, because Murase fails to disclose that a graphics stream including interactive control information or that the interactive control information includes a plurality of pieces of composition information defining a sequence of display compositions of graphics constituting the effect as called for in amended claims 1 and 11, it is respectfully requested that the rejection of claims 1 and 11 under 35 U.S.C. 102(b) be withdrawn.

Claim 4 was rejected under 35 U.S.C. 103(a) as being unpatentable over Murase in view of U.S. Patent No. 6,240,555 to Shoff *et al.* (hereafter: “Shoff”). Claim 4 depends from claim 1. Therefore, claim 4 should be in condition for allowance for the above-mentioned reasons with respect to claim 1.

The indication of allowable subject matter in claims 3 and 5 is acknowledged and appreciated. Claims 3 and 5 have accordingly been amended to be in independent form.

In view of the foregoing, the applicants submit that this application is in condition for allowance. A timely notice to that effect is respectfully requested. If questions relating to patentability remain, the examiner is invited to contact the undersigned by telephone.

Respectfully submitted,

/Kerry S. Culpepper Reg. #45,672/

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Kerry S. Culpepper

Reg. No. 45,672

Panasonic Patent Center  
1130 Connecticut Ave., NW, Suite 1100  
Washington, D.C. 20036  
Phone: 202-912-3800  
Fax: 202-912-0774  
Customer No. 42212